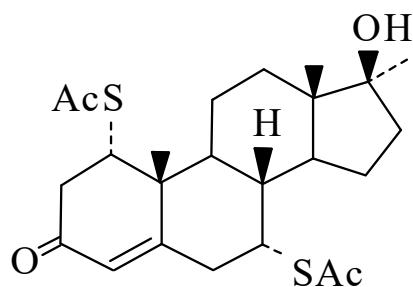




>>Entry Name: **Tiomesterone**, INN, JAN

Synonym(s): 1,7-Bis(acetylthio)-17-hydroxy-17-methylandro-4-en-3-one. 17-Hydroxy-1,7-dimercapto-17-methylandro-4-en-3-one 1,7-diacetate, 8Cl. Thiomesterone, BAN. Emdabol. Embadol. Emdabolin. Protabol. StA 307



CAS Registry Number: 2205-73-4

Molecular Formula: C₂₄H₃₄O₄S₂

Molecular Weight: 450.662

Accurate Mass: 450.18985

Percentage Composition: C 63.96%; H 7.60%; O 14.20%; S 14.23%

Use/Importance: Anabolic steroid

Physical Description: Cryst.

Melting Point: Mp 205-206°

Optical Rotation: [α]_D -66 (dioxan)

Calculated Log P Data: Log P 2.62 (uncertain value) (calc)

Other Data: Stereochem. is (1 α ,7 α ,17 β OH)

References:

Krämer, J.M. *et al.*, *Chem. Ber.*, 1963, **96**, 2803

Kraft, H.G. *et al.*, *Arzneim.-Forsch.*, 1964, **14**, 328; 330, (*pharmacol*)

Hampel, B. *et al.*, *Tetrahedron*, 1966, **25**, 1601, (*nmr*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, TFK300